

Press Enterprise/Jimmy May





































































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4150-A OLD BERWICK ROAD, BLOOMSBURG, PA 17815 FAX 717-784-1402 717-784-4344

6 February 1987

U.S. Nuclear Regulatory Commission Region I 631 Park Ave. King of Prussia, PA 19406

ATTN: Dr. J. Piccone.

Dear Dr. Piccone:

Please find enclosed the requested information concerning environmental sampling data currently being conducted under USNRC License No. 37-00030-02. Drawing No. 4003-80, Safety Light Corporation Building Site Drawing, shows the names and locations of the companies currently occupying space as well as legend numbers that correspond to information sheets on environmental data.

Please feel free to contact the undersigned or Dr. John MacHutchin, Radiation Safety Officer, if any information requires further clarification.

> Very truly yours, SAFETY LIGHT CORPORATION

LFGEND FOP MARKED-UP DVG. NO. 4003-80

- (1) SLC PROCESSING BUILDING Numerous & frequent H3 contamination surveys conducted routinely records examined during USNRC inspections. Bldg. posted & kept locked during off-hours.
- (2) FOPMER GARAGE (FLOOR ONLY REMAINS) Dirt floor section contaminated (200-2000 DPM/100 sq.cm. removable alpha; 0-1 mrh beta-gamma @ 2"). Cement floor section also contaminated (0.3 2 mhr beta-gamma @ 2"). General area posted (See Item 3 below).
- (3) CONTAMINATED SOIL APEA Soil W & SW of former bldg. contaminated (0 2 mrh @ 2"). Area posted.
- (4) MFTAL SILO (ABOVF GROUND) Used for storage of contaminated equipment. Interior contamination level varies with contents of bldg. Fntry controlled by Health Physics Bldg. posted & locked.
- (5) SOLID WASTE BUILDING Surveyed routinely for H3 contamination records examined during USNPC inspections. Short periods of occupancy only entry controlled by Health Physics. Bldg. posted & locked during off-hours.
- (6) OLD HOUSE Used only for storage of misc. low-level contaminated items. Low level removable alpha contamination (200-1000 dpm/100 sq.cm.) present in some interior areas. Bldg. posted and kept locked.
- (7) LIQUID WASTE BUILDING Surveyed routinely for H3 contamination records examined during USNRC inspections. Short periods of occupancy entry controlled by Fealth Physics. Bldg. posted & kept locked during off-hours.
- (8) 8' X 8' BUILDING Used for storage of some contaminated equipment. Surveyed routinely for interior removable contamination & exterior radiation records available for USNRC inspections. Bldg. posted and kept locked.
- (9) UTILITY BUILDING Used for storage of non-radioactive supplies. Bldg. was decontaminated previously, but is surveyed routinely for removable contamination records are kept available for USNPC inspections. Pldg. posted & locked during off-hours.
- (10) FORMER PADIUM VAULT Bldg. not used. Exterior radiation surveys conducted routinely (0-3 mrh beta-gamma @ 2"). Bldg. sealed and posted.
- (11) MACHINF SPOP Former USRC H3 bldg. Surveyed routinely for removable H3 contamination (since sealed former metal pipe exhaust lines presumably contain some residual H3 contamination). Infrequently find an isolated spot of very low level removable contamination. Bldg. posted & kept locked during off-hours.

- (12) CONTAMINATED SCIL AREA Area shows some detectable above ground beta-gamma contamination (0 0.6 mrh @ 2"). Area is posted.
- (13 thru 16) CONTAMINATED SOIL AREAS Detectable levels of beta-gamma soil contamination (most likely one or more of Cs(137), Sr(90) and Ra(226)) have been found generally along the old, filled-in canal bed (and, to a lesser degree, in some areas along the lower plateau). Various areas are posted.
- (17) FORMER USPC DISPOSAL PITS (2) Detectable levels of beta-gamma radiation (0 0.5 mrh @ 2" above soil surface) are present within this fenced area. The area is posted & kept locked. Entry is controlled by Fealth Physics.
- (18) EAST LAGOON Periodic underwater surveys have shown varying levels of gamma contamination (0 4 mrh at soil surface) in the lagoon bed. Over the period 8/85 8/86, H3 levels in the water presently have ranged from 0 25,000 pCi/L.
- (19) CAPPENTEP SHOP One area of interior wall shows 140-170 mhr beta-gamma (beta window of survey meter open) at contact. This area has a rope barrier & is posted. Beta-gamma field at barrier ranges from 0.1 0.7 mrh. Pemovable beta-gamma contamination levels in the area range from 0 4,500 DPM/100 sq.cm. This area is not normally occupied.
- (19A) WFLL HOUSE Pirt floor in this area is alpha contaminated. Area is posted & non-occupied.
- (20) FOPMFP Cs(137) ION EXCHANGE HUT Hottest spot on exterior wall shows 1.5 1.8 mrh beta-gamma at contact. Area is posted & kept locked entry is controlled by Health Physics.
- (21) CONTAMINATED SOIL AREA (UNDER LOADING DOCK) Highest radiation level at soil surface reads 7 mrh beta-gamma at contact. Area is posted.
- (22) CEMFNT TROUGH/SEWER GRATE Radiation field in contact with grate surface is 4 5 mrh bgeta-gamma. Area is posted.
- (23A) FORMER HAND APPLICATION APPAS (2ND FLOOR; Ra(226) & H(3) PAINTS) Attic above this area contains Ra(226)-contaminated ductwork and rafters, underside of roof, etc. show some alpha contaminated. Entry door to attic area is posted.
- (23B) MAIN RUILDING (1ST FLOOR) Several isolated areas show beta-gamma levels up to 0.3 mrh @ contact. These areas not normally occupied. An old drain line used in connection with past Sr(90) operations, exists under concrete floor in one area no detectable radiation found above this floor.

(24A & 24B) PLANT SIDEWALK ARFAS - Past surveys of outdoor sidewalks have indicated isolated areas of detectable contamination, e.g. at contact: 0 - 1.5 mrh beta-gamma & 0 - 4,000 cpm alpha.

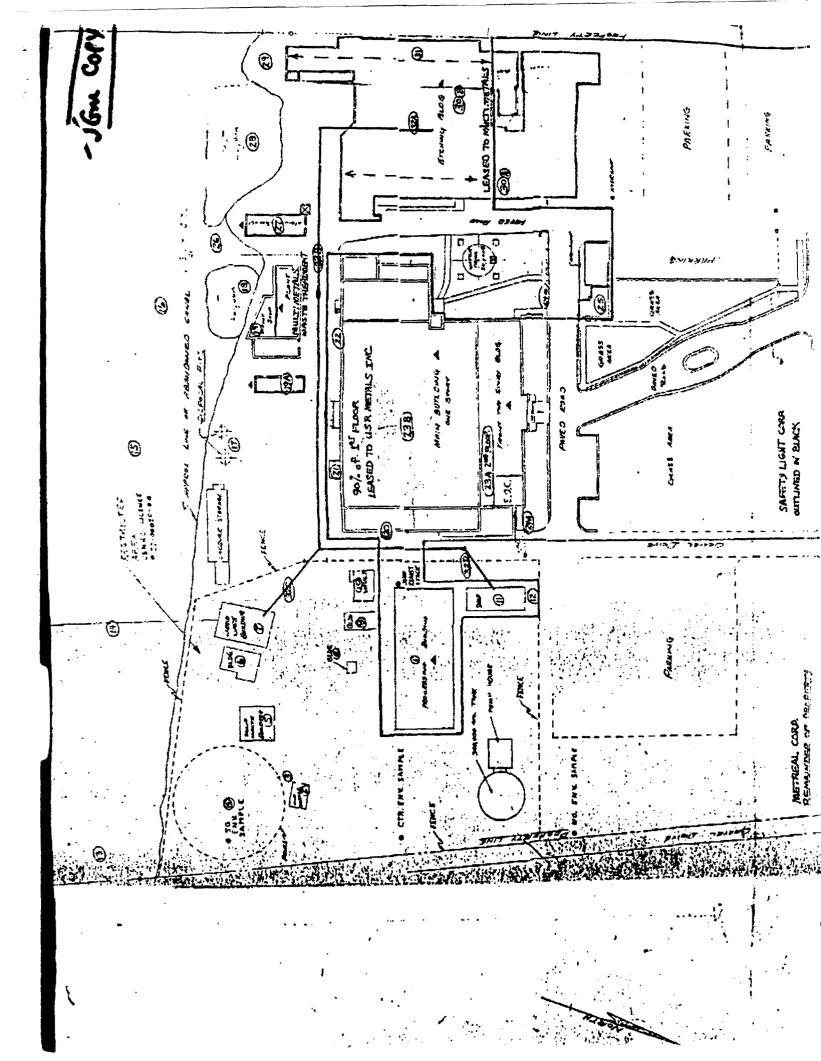
- (25) FORMER PEPSONNEL OFFICE BUILDING Old well in basement apparently once used for storage or disposal of some type of radioactive material (no record of contents has been found). This well is capped with concrete beta-gamma levels at cap surface range from 0 0.3 mrh. Bldg. is not occupied. Basement area is posted.
- (26) FORMER PLANT DUMP (BFTWEEN LAGOONS) Beta-gamma readings at soil surface range from 0 0.5 mrh beta-gamma (beta window open). No apparent associated gamma radiation present. Area is posted.
- (27) FORMER PIPF SHOP Removable alpha and beta-gamma contamination exists on many interior surfaces alpha contamination range is 0 -150 cpm; alpha-beta-gamma contamination ranges from 0 70,000 dpm/100 sq.cm. Area is posted and locked bldg. is not occupied.
- (22) WEST LAGOON Normaly contains no water. Surveys indicate no detectable levels of contamination at soil surface.
- (29) FORMEP PLANT DUMP After discovery of this area in 1970, some 78 X 55 gal. drums of contaminated soil, etc. were removed and shipped to an approved radwaste disposal site. Surface radiation levels at contact ranges from 0 2 mrh beta-gamma. Area is roped & posted. Highest reading at barrier rope is 0.5 mrh beta-gamma.
- (30) FTCHING BUILDING Subfloor of former shipping room (and possibly the soil beneath this) shows removable alpha contamination levels of 0 2000 dpm/100 sq.cm. No detectable beta-gamma radiation exists above the floor surface. Area is posted. Area is not occupied.

Former F3 Natch Dial Screening Poom - This area was partially decontaminated earlier, but some removable H3 contamination still remains in some areas, e.g. 0 - 115,000 dpm/100 sg.cm. Residual removable H3 contamination in former exhaust system filter banks has been reduced to the 0 - 5,000 dpm/100 sg.cm. range; interior surfaces of plenum chamber now show no detectable H3 contamination. Residual H3 contamination levels existing inside exhaust ducts proper are not known at this time. Area is posted & not occupied.

Random wipe tests made in the Ftching Buidling attic show removable alpha contamination levels in the $0-1000\ dpm/100\ sq.cm.$ range.

The former maintenance area (wire mesh enclosed) has a 12" thick concrete floor poured over an old Ra(226) contaminated drain line - no detectable radiation exists above this floor. Area is not occupied.

- (31) FORMER H3 FXIT SIGN ASSEMBLY AREA This area of the Etching Building shows no detectable levels of residual contamination; however, a large number of old metal die assemblies are stored here, many of which show detectable levels of alpha-beta-gamma contamination. Area is posted & not occupied.
- (32A 32D) DRAIN LINES USED FOR PREVIOUS USEC OPERATIONS These presently unused drain lines presumably still contain varying degrees of contamination residual from previous operations.



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